

HVEM/U2OS Cell

CBP74178

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I. Background

HVEM (CD270, TNFRSF14) is a human cell surface receptor in the TNF-receptor superfamily that can act as both a co-stimulatory receptor and a co-inhibitory receptor expressed on the surface of T cells. Binding of HVEM to one of its ligands, LIGHT (CD258, TNFSF14) or LT α (lymphotoxin- α), causes a co-stimulatory signal which can activate lymphoid cells. Interaction with BTLA (CD272) or CD160 causes a co-inhibitory signal which negatively regulates T-cell immune responses. HVEM has also been shown to interact with adaptor proteins TRAF2 and TRAF5, and is critical to herpes simplex virus (HSV) cellular entry.

II. Introduction

Expressed gene: HVEM

Stability: 32 passages (in-house test, that not means the cell line will be instable beyond the passages we tested.)

Freeze Medium: 90% FBS+10% DMSO

Culture Medium: Mccoy's5A+10%FBS+2ug/ml puromycin

Mycoplasma Testing: Negative



Storage: Liquid nitrogen

Application(s): Functional (Report Gene) Assay

III. Representative Data

Inhibition of HVEM Induced SHP2 Recruitment In BTLA/SHP2 Reporter Cells (C11) By Samples With HVEM/U2OS Cells (C7)

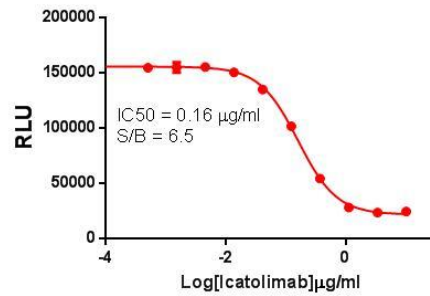


Figure 1. Inhibition of HVEM Induced SHP2 Recruitment In BTLA/SHP2 Reporter Cells (C11) By Samples With HVEM/U2OS Cells (C7).

